

MANHOLE CHIMNEY SEALS

ITEM 2001

MANHOLE CHIMNEY SEALS

- A. Provide all manholes with a mechanical rubber chimney seal for the casting-to-manhole cone section/slab joint.
 - 1. Chimney seals shall be a flexible rubber sleeve extruded from a high grade rubber compound meeting applicable requirements of ASTM C923. The sleeve shall be double pleated with a minimum thickness of 3/16 inch, and shall expand not less than 2 inches vertically when installed. Top and bottom shall contain an integrally formed expansion band recess and multiple sealing fins. Any splices shall be hot vulcanized and shall withstand a 180° bend with no visible separation.
 - 2. Expansion bands for compressing the sleeve and extension against the manhole surfaces shall be 16 gauge, minimum 1 3/4 inches wide, and stainless steel meeting the requirements of ASTM A240, Type 304. The expansion mechanism shall have the capacity to develop the pressure necessary to make a watertight seal and shall have a minimum adjustment range of not less than two (2) diameter inches.
- B. Manufacturer:
 - 1. Cretex Specialty Products or equal
- C. All manholes shall be sealed between the cover frame and cone top prior to manhole testing.
 - 1. Chimney seals shall be installed to provide an interior flexible seal between the manhole frames and adjusting feature, and cone sections. Chimney seals shall be installed in strict accordance with the manufacturer's instructions including use of butyl caulk on lower portion of seal. The installation of the chimney seal and extension shall include the preparation of the wall surfaces in the chimney area and the adjustment of the frame as required by the manufacturer's instructions. All manufacturer's warranties shall apply and not be voided.
 - 2. Chimney seal extension shall be installed as required and directed by the Engineer.

MEASUREMENT OF PAYMENT

Measurement of payment shall be for each manhole chimney seal assembly installed and include standard 8" and 10" wide seals, with 7" or 10" extensions as well as all hardware and labor to install.